

## 8 References

- Abe, K. 1973. On the daily and periodic behavior of hair crab *Erimacrus isenbeckii* (Brandt). J. Hokkaido Fish. Exp. Sta. 30:1-14.
- Abe, K. 1977. Early life history of the haircrab in the eastern Pacific waters of Hokkaido. Bull. Japan Soc. Fish Ocean. 31:14-19.
- Abe, K. 1982. The frequency of molting and growth of the horse crab. Bull. Japan Soc. Sci Fish. 48: 157-163.
- Abe, K. 1992. Important crab resources inhabiting Hokkaido waters. Mar. Behav. Physiol. 21: 153-183.
- Albers, W.D., and Anderson, P.J. 1985. Diet of the Pacific cod, *Gadus macrocephalus*, and predation on the northern pink shrimp, *Pandalus borealis*, in Pavlof Bay, Alaska. Fish. Bull. 70: 1021-1041.
- Allen M.J., and Smith, G. B. 1988. Atlas and zoogeography of common fishes in the Bering Sea and northeastern Pacific. NOAA Tech. Rept. NMFS 66.
- Alverson, D.L., and Pereyra, W.T. 1969. Demersal fish explorations in the northeast Pacific ocean - an evaluation of exploratory fishing methods and analytical approaches to stock size and yield forecasts. J. Fish. Res. Board Can. 26: 1985-2001.
- Anderson, P.J., and Piatt, J.F. 1999. Community reorganization in the Gulf of Alaska following ocean climate regime shift. Mar. Ecol. Prog. Ser. 189: 117-123.
- Anderson, P.J., Blackburn, J.E., and Johnson, B.A. 1997. Declines of forage species in the Gulf of Alaska, 1972-1995, as an indicator of regime shift. In Proceedings of the International Symposium on the Role of Forage Fishes in Marine Ecosystems. University of Alaska Sea Grant AK-SG-97-01, Fairbanks, pp. 531-544.
- Ariyame, H. 1993. Growth of swimming crabs *Portunus trituberculatus* in Osaka Bay. Bull. Jap. Soc. Sci. Fish. 58: 1269-1277.
- Armetta, T.M. and Stevens, B.G. 1986. Aspects of the biology of the hair crab, *Erimacrus isenbeckii*, in the eastern Bering Sea. U.S. Fish. Bull. 85:523-545.
- Barr, L. 1970. Diel vertical migrations of *Pandalus borealis* in Kachemak Bay. J. Fish. Res. Bd. Can. 27:669-676
- Barr, L. and McBride, R. 1967. Surface to bottom pot fishing for pandalid shrimp. U.S. Fish and Wildl. Serv Spec. Sci Rept. Fish. 560.
- Beamish, R.J., Noakes, D.J., McFarlane, G.A., Klyashtorin, L., Ivanov, V.V., and Kurashov, V. 1999. The regime concept and natural trends in the production of Pacific salmon. Can. J. Fish. Aquat. Sci. 56: 516-526.
- Bergström, B.I. 2000. The biology of *Pandalus*. In Advances in Marine Biology Vol. 38. Edited by A.J. Southward, R.A. Tyler, C.M. Young and L.A. Fuiman. Academic Press, London. pp. 1-256.
- Bennot, P. 1932. The California shrimp industry. California Division of Fish and Game. Fish. Bull. 38.
- Boschi, E.E. 2000. Species of decapod crustaceans and their distribution in the American zoogeographic provinces. Revista de Investigatigación y Desarrollo Pescuero. No. 13. Secretaria de Agricultura, Granderia, Pesca y Alimintación. Instituto Y Desarrollo Pescuero (INDEP). Mar del Plata, República Argentinas
- Botsford, L.W. 1986. Effects of environmental forcing on age-structured populations: northern California dungeness crab (*Cancer magister*) as an example. Can. J. Fish. Aquat. Sci. 43: 2435-2352.
- Botsford, L.W., Armstrong, D.A., Shenker, J.M. 1989. Oceanographic influences on the dynamics

- of commercially fished populations. *In* Coastal Oceanography of Washington and Oregon. *Edited by* M.R. Landry and B.M. Hickey. Elsevier Science, pp. 511-565.
- Boutillier, J.A., Lauzier, R.B., Phillips, A.C., and Barton, L. 1998. Framework for a Tanner crab (*Chionoecetes tanneri* and *C. angulatus*) fishery in waters off the west coast of Canada. *Can. Stock Assess. Sec. Res. Doc.* 98/125.
- Bowerman, J.H., and Melteff, B.R. 1984. A Bibliography of references to the genus *Chionoecetes*. Univ. AK Sea Grant AK-SG-84-7, Fairbanks.
- Bowerman, J.H., Bartlet, L.D., and Scheaffer, L.W. 1983. A bibliography of king (Lithodidae: *Lithodes*, *Paralithodes*) and "Tanner" (Majidae; *Chionoectes*) crab references. Northwest and Alaska Fisheries Science Center. NMFS/NOAA, NWAFC Processed Rept. No. 83-17.
- Breed, G.M., and Olson, R.E. 1977. Biology of the microsporidan *Pleistophora crongoni* n. sp. in three species of crangonid shrimps. *J. Invertebr. Pathol.* 30: 387-405.
- Briggs, J.C. 1974. *Marine Zoogeography*. McGraw-Hill Book C., New York.
- Butler, T.H. 1980. Shrimps of the Pacific coast of Canada. *Can. Bull. Fish. Aquat. Sci.* 202: 1-280.
- Cahn, A.R. 1948. The canned crab industry of Japan. U.S. Dept. Interior. Fish. Wild. No. 314.
- Cha, H.K. 1997. Ecology of *Metapenaeus joyneri* Miers and *Trachypenaeus curvirostris* Stimpson (Decapoda, Penaeidae) in the western coast of Korea. Ph.D. thesis, Pukyong Nat'l. Univ. Pusan, Korea (in Korean with English abstract).
- Cha, H.K., Oh, C.W., Hong, S.Y., and Park, K.Y. 2001. Reproduction and population dynamics of *Penaeus chinensis* (Decapoda: Penaeidae) on the western coast of Korea, Yellow Sea. *Fish. Res.* 1262: 1-12.
- Cha, H.K., Park, Y.C., and Hwang, S.D. 1999. Maturation and spawning of *Metapenaeus joyneri* Miers (Decapoda: Penaeidae) in the West Sea of Korea. *Bull. Nat'l Fish. Res. Dev. Inst. Korea* 55: 1-10 (in Korean with English abstract).
- Chiu, L.I., and Chien, Y.H. 1994. Culture of kuruma prawn (*Penaeus japonicus* Bate) in Asia. *World Aquat.* 25: 18-33.
- Crawford, W.R., and Jamieson, G.S. 1996. Modeling advection of dungeness crab (*Cancer magister*) in Dixon Entrance and northern Hecate Strait, British Columbia. *In* High Latitude Crabs: Biology, Management and Economics. *Edited by* B.R. Melteff. University of Alaska Sea Grant AK-SG-96-2, Fairbanks pp. 489-506.
- Dawson, E.W. 1989. King crabs of the world (Crustacea: Lithodidae) and their fisheries. Misc. Publ. 101, New Zealand Oceanographic Institute, Wellington NZ.
- Dawson, E.W., and Yaldwyn, J.C. 1985. King crabs of the world or the world of king crabs: an overview of identity and distribution – with illustrated diagnostic keys to the genera of Lithodidae and to the species of Lithodes. *In* Proceedings of the International Symposium on King and Tanner Crabs. *Edited by* B.P. Melteff. University of Alaska Sea Grant AK-SG-90-4, Fairbanks pp 69-106.
- Debelius, H. 1999. Crustacea guide of the world. IKAN Unterwasserarchiv, D-65933 Frankfurt, Germany.
- Dexter, D. 1972. Molting and growth in laboratory reared phyllosomes of the California spiny lobster. *Panulirus interruptus*. *Calif. Fish and Game* 58:107-115.
- Dumbauld, B.R., Armstrong, D., and McDonald, T.L. 1993. Use of oyster shell to enhance intertidal habitat and mitigate loss of dungeness crab (*Cancer magister*) caused by dredging. *Can. J. Fish. Aquat. Sci.* 50: 381-390.
- Dumbauld, B.R., Visser, E., Armstrong, D., Cole-Warner, L., Feldman, K., and Kauffman, B. 2000. Use of oyster shell to create habitat for juvenile dungeness crab in Washington coastal estuaries:

- status and prospects. *J. Shellfish Res.* 19: 379-386.
- Ekman, S. 1953. Zoogeography of the sea. Sedgewick and Jackson Limited, London.
- Feldman, K.L., Armstrong, D., Dumbauld, B., DeWitt, T., and Doty, D. 2000. Oysters, crabs, and burrowing shrimp: Review of an environmental conflict over aquatic resources and pesticide use in Washington State's (USA) coastal estuaries. *Estuaries*, 23: 141-176.
- Fernandez, M., Iribarne, O., and Armstrong, D. 1993. Habitat selection by young-of-the-year dungeness crab *Cancer magister* and predation risk in intertidal habitats. *Mar. Ecol. Prog. Ser.* 92: 171-177.
- Fraday, T.R. 1981. Proceedings of the international pandalid shrimp symposium. University of Alaska Sea Grant AK-SG-81-03, Fairbanks.
- Fujimori, Y., Tokai, T., Hiyama, S., and Matuda, K. 1996. Selectivity and gear efficiency of trammel nets for kuruma prawn (*Penaeus japonicus*). *Fish. Res.* 26: 113-124.
- Gavio, M.A., Orensanz, J.M., and Armstrong, D.A. 1994. Protandric hermaphroditism in the bay shrimp *Crangon franciscorum* (Decapoda, Caridea). *J. Shellfish Res.* 13: 292.
- Gong, Y., Hwang, B.N., and Baik, C.I. 1978. Fisheries biology study on the queen crab, *Chionoecetes japonicus* Rathbun, in the southwestern part of the Japan Sea. *Bull. Nat'l. Fish. Res. Dev. Inst. Korea* 20: 43-50 (in Korean with English abstract).
- Gray, G. W., Jr. and Powell, G. C. 1966. Sex ratios and distribution of spawning king crabs in Alitak Bay, Kodiak Island, Alaska (Decapoda, Anomura, Lithodidae). *Crustaceana* 10: 303-309
- Guzman-del Proo, S.A., Carrillo-Laguna, J., Belmar-Perez, J., De la Campa J.S., and Villa, B.A. 1996. The puerulus settlement of red spiny lobster (*Panulirus interruptus*) in Bahia Tortugas, Baja California, Mexico. *Crustaceana* 69: 949-957.
- Harrison, R.W., Christey, L.E., Carlson, C.B., Wallace, M.M., Pertuit, C.J., Hvatum, A.R., Schmidt, W.L., and Punochar, J.F. 1942. Report of the Alaska crab investigation Fishery Market News (May 1942 Supp.). Vol. 4.
- Hiramoto, K. 1985. Overview of the golden king crab, *Lithodes aequispina*, fishery and its fisheries biology in the Pacific waters of central Japan. *In* Proceedings of the International King Crab Symposium. *Edited by* B.P. Melteff. University of Alaska Sea Grant AK-SG-85-12, Fairbanks pp. 297-317.
- Hiramoto, K., and Sato, S. 1970. Biological and fisheries survey on an anomuran crab, *Lithodes aequispina* (Benedict), off Boso Peninsula and Sagami Bay, central Japan. *Jap. J. Ecol.* 20: 165-170 (in Japanese).
- Hooper, R.G. 1986. Spring breeding migration of the snow crab, *Chionoecetes opilio*, into shallow water in Newfoundland. *Crustaceana* 50: 257-264.
- Hosie, M.J., and Gaumer, T.F. 1974. Southern range extension of the Baird crab (*Chionoecetes bairdi* Rathbun). *California Division Fish and Game, Fish. Bull.* 60: 44-47.
- Hunt, G.L., Burgeson, B., and Sanger, G.A. 1981. Feeding ecology of seabirds in the eastern Bering Sea. *In* The eastern Bering Sea shelf: Oceanography and Resources (Vol. 2). *Edited by* D.W. Hood and J.A. Calder. University of Washington Press, Seattle, WA, pp. 629-648.
- Isreal, H.R. 1936. A contribution to the life histories of two California shrimps, *Crango franciscorum* (Stimpson) and *C. nigricaudata* (Stimpson). *California Division of Fish and Game, Fish. Bull.* Vol. 46.
- Jademec, L.S., Donaldson, W.E., and Cullenberg, P. 1999. Biological field techniques for *Chionoecetes* crabs. University of Alaska Sea Grant AK-SG-99-02, Fairbanks 80p.

- Jamieson, G.S. 1990. Development of a fishery for *Chionoecetes tanneri* on the continental slope off British Columbia: management considerations. *In* Proceedings of the Symposium King and Tanner Crabs. *Edited by* B.R. Melteff. University of Alaska Sea Grant AK-SG-90-04, Fairbanks pp. 587-592.
- Jamieson G.S., and Bourne, N. 1986. North Pacific workshop on stock assessment and management of invertebrates. *Can. Spec. Publ. Fish. Aquat. Sci.* Vol. 92.
- Jamieson. G.S., and McKone, W.D. 1988. Proceedings of the international workshop on snow crab biology. *Can. Manusc. Rept. Fish. Aquat. Sci.* No. 2005.
- Jamieson G.S. and Campbell, A. 1998. Proceedings of the North Pacific symposium on invertebrate stock assessment and management. *Can. Spec. Publ. Fish. Aquat. Sci.* Vol. 125.
- Jamieson, G.S., Heritage, G.D., and Noakes, D.N. 1990. Life history characteristics of *Chionoecetes tanneri* off British Columbia. *In* Proceedings of the Symposium on King and Tanner Crabs. *Edited by* B.R. Melteff. University of Alaska Sea Grant AK-SG-90-04, Fairbanks pp. 153-162.
- Jamieson, G.S., and Phillips, A. 1993. Megalopal spatial distribution and stock separation in Dungeness crab. *Can. J. Fish. Aquat. Sci.* 50: 416-429.
- Jamieson, G.S., Phillips, A.C., and Huggett, W.S. 1989. Effects of ocean variability on the abundance of dungeness crab larvae. *Can. Spec. Publ. Fish. Aquat. Sci.* 108: 305-325.
- Jamieson, G.S., Phillips, A., and Smith, B. 1998. Implications of selective harvests in dungeness crab (*Cancer magister*) fisheries. *In* Proceedings of the North Pacific Symposium on Invertebrate Stock Assessment and Management, Vol 125. *Edited by* G. Jamieson and A. Campbell. *Can. Spec. Publ. Fish. Aquat. Sci.* pp. 309-321.
- Jamieson, G.S., Grosholz, E., Armstrong, D., and Elnor, R. 1998. Potential ecological impacts from the introduction of the European green crab, *Carcinus maenas*, to British Columbia, Canada, and Washington, USA. *J. Nat. Hist.* 32: 1587-1598.
- Jensen, G.C. 1995. Pacific Coast crabs and shrimps. Sea Challengers, Monterey, California.
- Jensen, G.C., and Armstrong, D.A. 1989. Biennial reproductive cycle of the blue king crab, *Paralithodes platypus*, at the Pribilof Islands, Alaska and comparison to a congener, *P. camtschatica*. *Can. J. Fish. Aquat. Sci.* 46: 932-940.
- Jewett, S.C. 1981. Variations in some reproductive aspects of female snow crabs *Chionoecetes opilio*. *J. Shellfish Res.* 1: 95-99.
- Jewett, S.C., and Feder, H.M. 1981. Feeding interactions in the eastern Bering Sea with emphasis on the benthos. *In* The eastern Bering Sea shelf: Oceanography and resources, Vol. 2. *Edited by* D.W. Hood and J.A. Calder. University of Washington Press, Seattle pp. 1229-1261.
- Jewett, S.C., Sloan, N.A., and Somerton, D.A. 1985. Size at sexual maturity and fecundity of the fjord-dwelling golden king crab *Lithodes aequispina* Benedict from northern British Columbia. *J. Crust. Biol.* 5: 377-385.
- Jo, S.G., and Omori, M. 1996. Seasonal occurrence and vertical distribution of larvae and post-larvae of the pelagic shrimp, *Acetes japonicus* Kishinoue (Sergestinae), in the central part of the Seto Inland Sea, Japan. *Bull. Plankton Soc. Japan* 43: 75-87.
- Johnson, M.W. 1971. The palinnurid and scyllarid lobster larvae of the tropical eastern Pacific and their distribution as related to the prevailing hydrography. *Bull. Scripps Inst. Oceanogr.* 19: 1-36.
- Johnson, D.F., Botsford, L., Methot, R., and Wainwright, T. 1986. Wind stress and cycles in dungeness crab (*Cancer magister*) catch off California, Oregon and Washington. *Can. J. Fish. Aquat. Sci.* 43: 838-845.
- Jones, F.R.H. 1968. Fish Migrations. Edward Arnold Ltd., London.

- Kim, B.K., Kim, S.U., and Baik, J.M. 1986. Results of tagging experiments of the blue crab, *Portunus trituberculatus* (Miers). Bull. Fish Res. Dev. Agency, Pusan 39: 21-27 (in Korean with English abstract).
- Kimker, A. 1985. Overview of the Prince William Sound management area dungeness crab fishery. In Proceedings of the Symposium on Dungeness Crab Biology and Management. Edited by B.R. Melteff. University of Alaska Sea Grant AK-SG-85-03, Fairbanks pp. 77-84.
- King, J.R., McFarlane, G.A., and Beamish, R.J. 2000. Decadal-scale patterns in the relative year class success of sablefish (*Anoplopoma fimbria*). Fish. Oceanogr. 9: 62-70.
- Koeller, P.A., Boutillier J., and Tveite, S. (Editors) 2000.. Pandalid Shrimp Fisheries - Science and Management at the Millennium. J. Northw. Atl. Fish. Sci. 27.
- Komai, T. 1999. A revision of the genus *Pandalus* (Crustacea: Decapoda: Caridea: Pandalidae). J. Nat. Hist. 33: 1265-1372.
- Kon, T. 1996. Overview of tanner crab fisheries around the Japanese archipelago. In High Latitude Crabs: Biology, Management, and Economics. Edited by B.R. Melteff. University of Alaska Sea Grant AK-SG-96-02, Fairbanks pp. 13-24.
- Lang, G.M. 1992. Food habits of three congeneric flatfishes: Yellowfin sole, *Pleuronectes asper*, rock sole, *P. bilineatus*, and Alaska plaice, *P. quadituberculatus*, in the eastern Bering Sea. M.S. thesis, Univ. Washington, Seattle 125p.
- Lee, B.M., Jun, S.T., and Oh, H.K. 1986. Dynamic study on the bottom drift net with pocket for prawn, *Penaeus japonicus* Bate. Bull. Fish Res. Dev. Agency, Pusan 39: 65-72 (in Korean with English abstract).
- Livingston, P.A. 1988. Interannual trends in Pacific cod, *Gadus macrocephalus*, predation on three commercially important crab species in the eastern Bering Sea. Northwest and Alaska Fisheries Science Center Processed Report 88-12.
- Livingston, P.A. 1989. Interannual trends in Pacific cod, *Gadus macrocephalus*, predation on three commercially important crab species in the eastern Bering Sea. Fish. Bull. 87: 807-827.
- Livingston, P.A. 1991. Groundfish food habits and predation on commercially important prey species in the eastern Bering Sea from 1984 to 1986. NOAA Tech. Memo. NMFS/NWC-207.
- Livingston, P.A., and de Raynier, Y. 1996. Groundfish food habits and predation on commercially important prey species in the eastern Bering Sea from 1990 to 1992. Alaska Fisheries Science Center, Processed Report 96-04.
- Livingston, P.A, and Goiney, B.J., Jr. 1983. Food habits literature of North Pacific marine fishes: a review and selected bibliography. NOAA Tech. Memo. NMFS F/NWC-54.
- Livingston, P.A., Ward, A., Lang, G.M., and Yang, M. 1993. Groundfish food habits and predation on commercially important prey species in the eastern Bering Sea from 1987 to 1989. NOAA Tech. Memo. NMFS-AFSC-11.
- Lowry, L.F. and Frost, K.J. 1981. Feeding and trophic relationships of phocid seals and walruses in the eastern Bering Sea. In The eastern Bering Sea shelf: Oceanography and Resources Vol. 2. Edited by D.W. Hood and J.A. Calder. University of Washington Press, Seattle, WA pp. 629-648.
- Marukawa, H. 1933. Biological and fishery research on Japanese king crab *Paralithodes camtschatica* (Tilesius). J. Imp. Fish. Exp. Sta. Tokyo. 4: 52.
- Matsuda, H., and T. Yamakawa. 1997. Effects of temperature on growth of the Japanese spiny lobster, *Panulirus japonicus* (V. Siebold) phyllosomas under laboratory conditions. Mar. Freshw. Res. 48: 791-796.
- McConnaughey, R.A., Armstrong, D., Hickey, B., and Gunderson, D. 1992. Juvenile dungeness crab (*Cancer magister*) recruitment variability and oceanic transport during pelagic larval phase. Can. J. Fish. Aquat. Sci. 49: 2028-2044.

- McConnaughey, R.A., Armstrong, D., Hickey, B., and Gunderson, D. 1994. Interannual variability in coastal Washington Dungeness crab (*Cancer magister*) populations: larval advection and the coastal landing strip. *Fish. Oceanogr.* 3: 22-38.
- McDonald, P.S., Jensen, G., and Armstrong, D. 2001. The competitive and predatory impacts of the nonindigenous crab *Carcinus maenas* (L.) on early benthic phase dungeness crab *Cancer magister* Dana. *J. Exp. Mar. Biol. Ecol.* 258: 39-54.
- McFarlane, G.A., King, J.R., and Beamish, R.J. 2000. Have there been recent changes in climate? Ask the fish. *Prog. Oceanogr.* 47: 147-169.
- McMillan, R.O., Armstrong, D., and Dinnel, P. 1995. Comparison of intertidal habitat use and growth rates of two northern Puget Sound cohorts of 0+ dungeness crab, *Cancer magister*. *Estuaries* 18: 390-398.
- McMullen, J.C. 1967. Breeding king crabs, *Paralithodes camtschatica*, located in ocean environment. *J. Fish. Res. Bd. Can.* 24: 2627-2628
- Megumi, M. 1999. Quantitative analysis of the seasonality of male reproduction in the spiny lobster *Panulirus japonicus* (Decapoda: Palinuridae). *J. Crust. Biol.* 19: 276-282.
- Minagawa, M., Yasumoto, S., Ariyoshi, T., Umemoto, T., and Ueda, T. 2000. Interannual, seasonal, local and body size variations in reproduction of the prawn *Penaeus (Marsupenaeus) japonicus* (Crustacea: Decapoda: Penaeidae) in the Ariake Sea and Tachibana Bay, Japan. *Mar. Biol.* 136: 223-231.
- Mitchell, C.T., Turner, C.H., and Strachan, A.R. 1969. Observations on the biology and behavior of the TI: Molt frequency and size-class distribution in the California spiny lobster (*Panulirus interruptus*) as indicated by beach-cast carapaces at San Nicolas Island, California. *Calif. Fish and Game* 55:121-131.
- Miyahara, T. 1954. The 1953 Japanese king crab factoryship expedition. *Com. Fish. Rev.* 16: 1-12.
- Miyajima, T., Hamanaka, Y., and Toyota, K. 1999. A marking method for kuruma prawn *Penaeus japonicus*. *Fish. Sci. Tokyo* 65: 31-35.
- Morikawa, Y., Arakawa, H., and Koike, T. 2000. Effect of water temperature on diurnal feeding activity of Japanese spiny lobster *Panulirus japonicus*. *Nippon Suisan Gakkaishi* 66: 791-798.
- Nyahara, T. 1954. The 1953 Japanese king-crab factory ship expedition. *Comm. Fish. Rev.* 16: 1-12.
- Olsvik, P.A. 1996. The red king crab, *Paralithodes camtschatica* (Tilesius 1815), in the Barents Sea: Life history and future stock progress. *Fauna (Blindern)* 49: 20-33.
- Orensanz, J.M., Armstrong, J., Armstrong, D., and Hilborn, R. 1998. Crustacean resources are vulnerable to serial depletion – the multifaceted decline of crab and shrimp fisheries in the greater GOA. *Reviews in Fish Biology and Fisheries* 8: 117-176.
- Otto, R.S. 1981. Eastern Bering Sea crab fisheries. *In* The eastern Bering Sea shelf: Oceanography and Resources (Vol. 2). *Edited by* D.W. Hood and J.A. Calder. University of Washington Press, Seattle, Washington pp. 1037-1066.
- Otto, R.S. 1998. Assessment of the eastern Bering Sea snow crab, *Chionoecetes opilio*, stock under the terminal molt hypothesis. *In* Proceedings of the North Pacific Symposium on Invertebrate Stock Assessment and Management. *Edited by* G.S. Jamieson and A. Campbell. *Can. Spec. Publ. Fish. Aquat. Sci.* 125 pp. 109-124.
- Otto, R.S., and Cummiskey, P.A. 1985. Observations on the reproductive biology of golden king crab (*Lithodes aequispina*) in the Bering Sea and Aleutian Islands. *In* Proceedings of the International King Crab Symposium. *Edited by* B.R. Melteff. University of Alaska Sea Grant AK-SG-85-12, Fairbanks pp. 123-136.
- Palacios, R., Armstrong, D., and Orensanz, J. 2000. Fate and legacy of an invasion: extinct and extant populations of the soft-shell clam (*Mya*

- arenaria*) in Grays Harbor (Washington). Aquatic Conserv. Mar. Freshw. Ecosyst. 10: 279-303.
- Paul, A.J. 2000. Bibliography of Research on snow crab (*Chionoecetes opilio*). University of Alaska Sea Grant AK-SG-00-01, Fairbanks.
- Paul, J.M., Paul, A.J., and Barber, W.E. 1997. The reproductive biology and distribution of snow crab in the northeastern Chukchi Sea. Trans. Am. Fish. Soc. 19: 287-294.
- Percy, W.W. 1970. Vertical migration of the ocean shrimp, *Pandalus jordani*, a feeding and dispersal mechanism. Calif. Fish and Game. 56: 125-129.
- Phillips, A.C., and Lauzier, R. 1997. Biological background for the development of a new fishery for the grooved Tanner crab (*Chionoecetes tanneri*) off British Columbia. Can. Stock Assess. Sec Res. Doc. 97/148.
- Pineda Barrera, J., Diaz de Leon, C.A.J., and Uribe Osorio, F. 1981. Fecundity of the red lobster *Panulirus interruptus* (Randall, 1842) in Baja California. Cienc. Pesq. 1: 99-118.
- Powell, G.C. 1964. Fishing mortality and movements of adult male king crabs, *Paralithodes camtschatica* (Tilesius), released seaward from Kodiak Island, Alaska. Trans. Amer. Fish. Soc. 93: 295-300.
- Powell, G.C. and Nickerson, R. B. 1965. Reproduction of king crabs, *Paralithodes camtschatica* (Tilesius). J. Fish. Res. Bd. Can. 22:101-111
- Powell, G.C., James, K.E., and Hurd, C.L. 1974. Ability of male king crabs, *Paralithodes camtschatica*, (Tilesius), to mate repeatedly. Fish. Bull. 72: 171-179
- Powell, G.C., Shafford, B., and Jones, M. 1973. Reproductive biology of young adult king crabs, *Paralithodes camtschatica* (Tilesius), at Kodiak. Alaska. Proc. Natl. Shellfish Assoc. 63: 77-87
- Rathbun, R. 1887. The crab, lobster, crayfish, rock-lobster, shrimp, and prawn fisheries. In The fisheries and fisheries industries of the United States Sect. V. History and methods of the fisheries Vol. II. Edited by G.B. Goode. U. S. Commission of Fish and Fisheries, pp. 620-810.
- Rodin, V.E. 1985. Spatial and functional structure of the king crab populations. Bioproductivity of the Far Eastern Seas 110: 86-97.
- Rodin, V.E. 1990. Population biology of the king crab *Paralithodes camtschatica* Tilesius in the North Pacific Ocean. In Proceedings of the Symposium on King and Tanner Crabs. Edited by B.R. Melteff. University of Alaska Sea Grant AK-SG-90-04, Fairbanks pp. 133-144.
- Rosenkranz, G.E., Tyler, A.V., Kruse, G.H., and Niebauer, H.J. 1998. Relationship between wind and year class strength of tanner crabs in the Southeastern Bering Sea. Alaska Fishery Research Bulletin 5: 18-24.
- Rothlisberg, P. 1998. Aspects of penaeid biology and ecology of relevance to aquaculture William Dall for his contributions to penaeid biology, ecology, taxonomy and physiology. Aquaculture 164: 49-65.
- Schumway, S.E., Perkins, H.C., Schick, D.F., and Stickney, A. 1985. Synopsis of biological data on the pink shrimp, *Pandalus borealis* Krøyer, 1838. FAO Fisheries Synopsis 144.
- Sekiguchi, H. 1997. Larval recruitment processes of Japanese spiny lobsters: A hypothesis. Bull. Mar. Sci. 61: 43-55.
- Sekine, S., Shima, Y., Fushimi, H., and Nonaka, M. 2000. Larval period and molting in the Japanese spiny lobster *Panulirus japonicus* under laboratory conditions. Fish. Sci. Tokyo 66: 19-24.
- Selin, N.I., and Fedotov, P.A. 1996. Vertical distribution and some biological characteristics of the blue king crab *Paralithodes platypus* in the northwestern Bering Sea. Mar. Biol. 22: 386-390.
- Shiota, K. 1993. Relationship between annual catch fluctuations and reproduction in the swimming crab in Hiuchi Nada, Seto Inland Sea. Bull. Jap. Soc. Sci. Fish. 59: 1709-1715.

- Shirley, T.C., and Zhou, S. 1997. Lecithotrophic development of the golden king crab *Lithodes aequispinus* (Anomura: Lithodidae). *J. Crust. Biol.* 17: 206-217.
- Shirley, T.C., Bishop, G., O'Clair, C.E., Taggart, S.J., and Bodkin, J.L. 1995. Sea otter predation on dungeness crabs in Glacier Bay, Alaska. *In High Latitude Crabs: Biology, Management, and Economics. Edited by B.R. Melteff.* University of Alaska Sea Grant AK-SG-96-02, Fairbanks pp. 563-576.
- Sloan, N.A. 1984. Incidence and effects of parasitism by the rhizocephalan barnacle, *Briarosaccis callosus* Boschma, in the golden king crab, *Lithodes aequispina* Benedict, from deep fjords in northern British Columbia, Canada. *J. Exp. Mar. Biol. Ecol.* 84: 111-131.
- Sloan, N.A., Bower, S.M., and Robinson, S.M.C. 1984. Cocoon deposition on three crab species and fish parasitism by the leech, *Notostomum cyclostoma*, from deep fjords in northern British Columbia. *Mar. Ecol. Prog. Ser.* 20: 51-58.
- Smith, B.D., and Jamieson, G. 1989. Exploitation and mortality of male dungeness crabs (*Cancer magister*) near Tofino, British Columbia. *Can. J. Fish. Aquat. Sci.* 46: 1609-1614.
- Somerton, D.A., and MacIntosh, R.A. 1983. The size at sexual maturity of blue king crab, *Paralithodes platypus*, in Alaska. *Fish. Bull.* 81: 621-628.
- Somerton, D.A., and R.S. Otto. 1986. Distribution and reproductive biology of the golden king crab, *Lithodes aequispina*, in the Eastern Bering Sea. *Fish. Bull.* 84: 571-584.
- Sparks, A.K. 1985. Synopsis of invertebrate pathology exclusive of insects. Elsevier, New York.
- Sparks, A.K., and Hibbits. 1979. Black mat syndrome, an invasive mycotic disease of the tanner crab, *Chionoecetes bairdi*. *J. Invertebr. Pathol.* 34: 184-191.
- Sparks, A.K., and Morado, J.F. 1985. A preliminary report on the diseased of Alaskan king crabs. *In Proceedings of the International King Crab Symposium. Edited by B.R. Melteff.* University of Alaska Sea Grant AK-SG-85-12, Fairbanks pp. 333-340.
- Squires H.J. 1968. Decapod crustaceans of the Beaufort Sea and Arctic waters eastward to Cambridge Bay, 1960-1965. *J. Fish. Res. Bd. Can.* 26: 1899-1918.
- Stabeno, P.J., Schumacher, J.D., and Otani, K. 1999. The physical oceanography of the Bering Sea. *In Dynamics of the Bering Sea. Edited by T.R. Laughlin, and K. Oktani.* University of Alaska Sea Grant AK-SG-99-03, Fairbanks pp. 1-28.
- Stevens, B.G., and Kittaka, J. 1998. Post larval setting behavior, substrate preference, and time to metamorphosis for red king crab *Paralithodes camtschaticus*. *Mar. Ecol. Prog. Ser.* 167: 197-206.
- Stevens, B.G., Donaldson, W.E., Haaga, J.A., and Munk, J.E. 1993. Morphometry and maturity of male tanner crabs, *Chionoecetes bairdi*. *Can. J. Fish. Aquat. Sci.* 50: 1504-1516.
- Stevens, B.G., Donaldson, W.E., Haaga, J.A., and Payne, S.A. 1996. Reproductive conditions of prespawning female tanner crabs, *Chionoecetes bairdi*, in Chiniak and Womans bays, Kodiak, Alaska. *In High Latitude Crabs: Biology, Management and Economics. Edited by B.R. Melteff.* University of Alaska Sea Grant AK-SG-96-02, Fairbanks pp. 349-354.
- Stevens, B.G., Haaga, J.A., and Donaldson, W.E. 1994. Aggregative mating behavior of tanner crabs *Chionoecetes bairdi*. *Can. J. Fish. Aquat. Sci.* 51: 1273-1280.
- Stevens, B.G., Haaga, J.A., and Donaldson, W.E. 1999. Mound formation by tanner crabs, *Chionoecetes bairdi*: tidal phasing of larval launch pads. *In Proceedings of the Fourth International Crustacean Congress. Edited by J.C.V.V. Klein and F.R. Schram.* A.A. Balkema, Publishers, Rotterdam pp. 445-453.

- Stevens, B.G., Haaga, J.A., MacIntosh, R.A., Otto, R. S., and Rugulo, L. 2000. Report to industry on the eastern Bering Sea crab survey. NOAA/NMSS/AFSC Pros. Rept. 2000-7.
- Tegner, M.J. and Levin, L.A. 1983. Spiny lobsters and sea urchins: Analysis of a predator-prey interaction. *J. Exp. Mar. Biol. Ecol.*, 73: 125-150.
- Thomas, D.H. 1985. A possible link between coho (silver) salmon enhancement and a decline in central California dungeness crab abundance. *Fish. Bull.* 83: 682-691.
- Thomson, R.E. 1981. Oceanography of the British Columbia Coast. *Can. Spec. Publ. Fish. Aquat. Sci.* Vol. 56.
- Thomson, R.E., Hickey, B.M., and LeBlond, P.H. 1989. The Vancouver Island coastal current: Fisheries barrier and conduit. *In* Effects of ocean variability on recruitment and an evaluation of parameters used in stock assessment models, Vol. 108. *Edited by* R.J. Beamish and G.A. McFarlane. *Can. Spec. Publ. Fish. Aquat. Sci.* pp. 265-296.
- Tuiki, H., Yamakawa, T., Aoki, I., and Taniuchi, T. 1999. Fisheries management of juveniles of the Japanese spiny lobster. *Nippon Suisan Gakkaishi.* 65: 464-472.
- Vila, Y., Medina, A., Megina, C., Ramos, F., and Sobrino, I. 2000. Quantification of the age-pigment lipofuscin in brains of known-age, pond-reared prawns *Penaeus japonicus* (Crustacea, Decapoda). *J. Exp. Zool.* 286: 120-130.
- Wahle, R.A. 1985. The feeding ecology of *Crangon franciscorum* and *Crangon nigricaudata* in San Francisco Bay, California. *J. Crust. Biol.* 5: 311-326.
- Wainwright, T.C., Armstrong, D., Dinnel, P., Orensanz, J., and McGraw, K. 1992. Predicting effects of dredging on a crab population: and equivalent adult loss approach. *Fish. Bull.* 90: 171-182.
- Wakabayashi, K. 1986. Inter-specific feeding relationships on the continental shelf of the eastern Bering Sea with special reference to the yellowfin sole. *In* Symposium on the biological interactions in the North Pacific region and on factors affecting recruitment, distribution and abundance of non-anadromous species (Tokyo, Japan, 1985). *INPFC Bull.* 47: 3-30
- Wallace, M.M., Pertuit, C.J., and Hvatum, A.R. 1949. Contribution to the biology of the king crab *Paralithodes camtschatica* (Tilesius). U.S. Dept. of Int. Fish Wildl. Serv. Fish leafl. 340.
- Wickham, D.E. 1979. Predation by the nemertean, *Carcinonemertes errans*, on eggs of the dungeness crab *Cancer magister*. *Mar. Biol.* 55: 45-53.
- Wild, P.W., and Tasto, R.N. 1983. Life history, environment, and maricultural studies of the dungeness crab, *Cancer magister*, with emphasis on the central California fishery resource. State of California, Department of Fish and Game. *Fish. Bull.* Vol. 172.
- Williams, A.B., Able, L.G., Felder, D.L., Hobbs, H.H. Jr., Manning, R.B., McLaughlin, P.A., and Pérez Farfante, I. 1989. Common and Scientific names of aquatic invertebrates from the United States and Canada: decapod crustaceans. American Fisheries Society Special Publication Vol. 17.
- Wing, S.R., Botsford, L., and Quinn, J. 1998. The impact of coastal circulation on the spatial distribution of invertebrate recruitment, with implications for management. *In* Proceedings of the North Pacific Symposium on Invertebrate Stock Assessment and Management., Vol. 125. *Edited by* G. Jamieson and A. Campbell. *Can. Spec. Publ. Aquat. Fish. Sci.* pp. 285-294.
- Wolotira, R.J., Sample, T.M., and Morin, M. 1977. Demersal fish and shellfish resources of Norton Sound, the southeastern Chukchi Sea and adjacent waters in the baseline year 1976. Northwest and Alaska Fisheries Center, 7600 Sand Point Way NE, Seattle, WA 98115.
- Yamakawa, T. 1997. Growth, age composition, and recruitment of the Japanese spiny lobster *Panulirus japonicus* estimated from multiple

- length frequency analysis. Bull. Jap. Soc. Fish. Oceanogr. 61: 23-32.
- Yamakawa, T., Matsumiya, Y., Nishimura, M., and Ohnishi, S. 1994. Expanded Delury's method with variable catchability and its application to catch-effort data from spiny lobster gillnet fishery. Fish. Sci. Tokyo 60: 59-63.
- Yeon, I.J. 1997. Fishery biology of the blue crab, *Portunus trituberculatus* (Miers), in the west sea of Korea and the East China Sea. Ph.D. thesis, Pukyong Nat'l. Univ. Pusan, Korea (in Korean with English abstract).
- Yeon, I.J. 1999. Growth and mortality of penaeidae: *Metapenaeus joyneri*, *Trachypenaeus curvirostris* and *Penaeus chinensis* in the western sea of Korea (unpublished).
- Yeon, I.J., Kang, Y.J., and Zhang, C.I. 1998. Growth and mortality of blue crab, *Portunus trituberculatus* in the East China Sea. J. Korean Soc. Fish. Res. 1: 104-114.
- Yeon, I.J., Park, C.S., and Hong, S.Y. 1992. Comparative morphometric characteristics and commensal barnacles of the blue crab, *Portunus trituberculatus* (Miers) in the western coast of Korea and in the East China Sea. Bull. Nat'l. Fish. Res. Dev. Inst. Korea 46: 53-68 (in Korean with English abstract).
- Yoshimura, T., and Yamakawa, Y. 1998. Microhabitat and behavior of settled pueruli and juveniles of the Japanese spiny lobster *Panulirus japonicus* at Kominato, Japan. J. Crust. Biol. 8: 524-531.
- Yoshimura, T., Yamakawa, H., and Kozasa, E. 1999. Distribution of final stage phyllosoma larvae and free-swimming pueruli of *Panulirus japonicus* around the Kuroshio Current off southern Kyushu, Japan. Mar. Biol. 133: 293-306.
- Zhang, M. 1992. Reproductive characteristics of *Acetes chinensis* in Bohai Bay and Laizhou Bay. Trans. Oceanol. Limnol. (Haiyang Huzhao Tongbao) Qingdao 2: 58-67.
- Zhang, M., and Guangzu, H. 1992a. Studies on the growing speed and the composition of the body length of *Acetes chinensis* in different season both in Bohai Bay and Laizhou Bay. Shandong Fisheries/Qilu Yuye. Yantai 4: 21-24.
- Zhang, M., and Guangzu, H. 1992b. Preliminary analysis on the composition of catches from set net used for netting *Acetes chinensis* in Bohai Bay and western Laizhou Bay. Trans. Oceanol. Limnol. (Haiyang Huzhao Tongbao) Qingdao 4: 76-84.
- Zhaung, Z.M., and Deng, J. 1999. Overview on the Crustaceans in the Chinese Waters of the PICES Region. Report were delivered at fourth meeting of PICES Working Group 12, Qingdao, China. August. 1999. Yellow Seas Fisheries Research Institute. Chinese Academy of Fisheries Science.